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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 30408/J50005
INTERNATIONAL APPLICATION NO. <i>PCT/039503/03950</i>	INTERNATIONAL FILING DATE 1 December 2003	PRIORITY DATE CLAIMED 2 December 2002
TITLE OF INVENTION Spectrometer (as amended)		
APPLICANT(S) FOR DO/EO/US Werner MAENTELE, Oliver KLEIN, Gamze HOSAFCI, and Ernst WINTER		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))</p> <p>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).</p> <p>a. <input checked="" type="checkbox"/> is attached hereto.</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))</p> <p>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</p> <p>10. <input checked="" type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</p>		
Items 11 to 20 below concern document(s) or information included:		
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: International Search Report; International Preliminary Examination Report; return receipt postal card</p>		

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U.S. APPLICATION NO. (if known, see 37 CFR 1.14)		INTERNATIONAL APPLICATION NO.	ATTORNEY'S DOCKET NUMBER				
10/537181		PCT/DE2003/03950	30408/J50005				
The following fees have been submitted							
21. <input checked="" type="checkbox"/> Basic national fee		CALCULATIONS					
\$300		\$ 300.00					
22. <input checked="" type="checkbox"/> Examination fee							
If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)		\$100					
All other situations		\$200					
23. <input checked="" type="checkbox"/> Search fee							
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority		\$100					
International Search Report prepared and provided to the Office		\$400					
All other situations		\$500					
		\$ 500.00					
		\$ 1,000.00					
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.							
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE				
- 100 =	/50 =		x \$250.00				
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).							
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE				
Total claims	26 - 20 =	6	x 50.00				
Independent claims	2 - 3 =		x 0.00				
MULTIPLE DEPENDENT CLAIM(s) (if applicable)		+	\$				
TOTAL OF ABOVE CALCULATIONS = \$ 1,300.00							
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.							
SUBTOTAL = \$ 1,300.00							
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).							
TOTAL NATIONAL FEE <small>Ref. 09/2005 WALLABAD 0021523600 Date 13-2855 Name Number: 1053700100</small>							
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment <small>Fees 9804</small> + \$100.00 CR accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property							
TOTAL FEES ENCLOSED = \$ 1,300.00							
<table border="1"> <tr> <td>Amount to be refunded:</td> <td>\$</td> </tr> <tr> <td>Amount to be charged:</td> <td>\$</td> </tr> </table>				Amount to be refunded:	\$	Amount to be charged:	\$
Amount to be refunded:	\$						
Amount to be charged:	\$						
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$ 1,300.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 13-2855. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>							
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.							
SEND ALL CORRESPONDENCE TO:							
<p>SIGNATURE: <i>James P. Zeller</i></p> <p>NAME: James P. Zeller</p>							
CUSTOMER NUMBER: 04743		28,491					
		REGISTRATION NUMBER					

SIGNATURE: James P. Zeller
NAME: James P. Zeller

CUSTOMER NUMBER: 04743

28,491

10/537181
JC06 Rec'd PCT/PTO 01 JUN 2005

PATENT

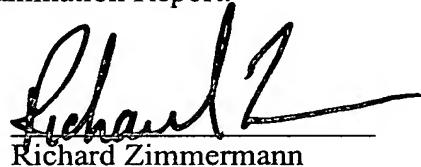
IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE

Applicants: Maentele et al.) For: SPECTROMETER (as amended)
U.S. National Phase of) Group Art Unit: To be assigned
PCT/DE2003/003950 filed December) Examiner: To be assigned
1, 2003)
Filed: Herewith)
)
)

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that the attached nine items (a) through (i) are being deposited with the United States Postal Service on June 1, 2005, in a postage-paid envelope addressed to Commissioner for Patents, Mail Stop PCT, P.O. Box 1450, Alexandria, VA 22313-1450 utilizing the "Express Mail Post Office to Addressee" service of the United States Postal Service under Mailing Label No. EV532467583US.

- (a) Transmittal letter to the United States Designated/Elected Office (DO/EO/US) concerning a filing under 35 U.S.C. §371;
- (b) Application as filed;
- (c) Translated application, including eleven sheets of description, six sheets of claims, and one sheet of drawings;
- (d) Translation of Annexes to the International Preliminary Examination Report;
- (e) Application Data Sheet;
- (f) Preliminary Amendment;
- (g) Information Disclosure Statement;
- (h) International Search Report; and
- (i) International Preliminary Examination Report.



Richard Zimmermann